

METHODS AND APPARATUS FOR
REQUESTING LINK
STATE INFORMATION

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Abstract of the Disclosure

Methods and apparatus are provided for optimizing the reintroduction

- 10 of a network node into a network. Information about neighboring nodes is stored in persistent memory. The network node can then be reinitialized and reintroduced into the network. Upon reintroduction, the network node can transmit heartbeat messages such as Hello messages to its neighboring nodes using information stored in persistent memory. A link state packet request message such as a Complete Sequence Numbers
- 15 Packet referencing dummy link state information is transmitted to a neighboring node. A partial packet request message such as a Partial Sequence Numbers Packet referencing the dummy link state packet from the neighboring node can acknowledge that the Complete Sequence Numbers Packet has been received.